## SEQUENCE LISTING

	<1	10>			, Dar n, Be												
	<1	20>	MAM	1AL I A	AN CY	/TOK]	[NE-i	LIKE	POLY	YPEP <sup>-</sup>	TIDE-	-10					
	<1	30>	97-7	72													
				199,5 3-11													
				066,5 7-11-													
	<1	60>	43														
	<1	70>	Fast	SEQ	for	Wind	dows	Vers	sion	3.0							
	<2 <2	12>	926 DNA	o sap	oiens	5							•	•			
	<2		CDS (45)	) (	(572)	)											
ctti	<4 tgaat	00> tc (		ctcc1	tg tq	ggtct	tccaç	g ati	ttcaç	ggcc	taaç		_	_	c tct a Ser		56
	ctt Leu															10	04
	tcc Ser								_		_	_			_	1	52
aca	aac	ctt	cag	gaa	ata	cga	aat	gga	ttt	tct	gac	ata	cgg	ggc	agt	2	00

Thr	Asn	Leu	G1n 40	Glu	He	Arg	Asn	Gly 45	Phe	Ser	Asp	Ile	Arg 50	Gly	Ser	
	caa Gln															248
	tct Ser 70	_		-		_				_	_	-		-	-	296
	ttg Leu		_			_	-		_					_		344
 Pro	gac Asp						_		_	_		~				392
ctt	acc Thr															440
	tgt Cys					_	_			_	_		_	_		488
	gaa Glu 150								-		_	_	_		_	536
	gac Asp											tag	gagga	aaa		582
aggo ctta gaga taat	catga attta accat	acc ( atg ( tac )	ccaa catta ttgta attta	accad actto ataaq attto	cc at gc tt ga tt tt tq	tetei teeti ttttg getai	tttad tgcat gtaat ttaat	c tgi t gai t ato t gto	acta tgta cttta attta	agtc cttt ctgc aatt	ttgt atgo tatt tttt	tgctq catco tggat tacti	ggt o ccc a tat a	caca aatci attt	cagagg gtgtat ttaatt attagt gaaact	642 702 762 822 882 926

3,

<211> 176 <212> PRT <213> Homo sapiens <400> 2 Met Lys Ala Ser Ser Leu Ala Phe Ser Leu Leu Ser Ala Ala Phe Tyr 10 Leu Leu Trp Thr Pro Ser Thr Gly Leu Lys Thr Leu Asn Leu Gly Ser Cys Val Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys 70 Cys Leu Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys 85 Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu 105 100 . Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys His Ala 115 120 125 His Met Thr Cys His Cys Gly Glu Glu Ala Met Lys Lys Tyr Ser Gln 135 140 Ile Leu Ser His Phe Glu Lys Leu Glu Pro Gln Ala Ala Val Val Lys 145 150 155 Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met Glu Glu Thr Glu 165. 170 175 <210> 3 <211> 793 <212> DNA <213> Homo sapiens <220> <221> CDS <222> (45)...(497) <400> 3 ctttgaattc ctagctcctg tggtctccag atttcaggcc taag atg aaa gcc tct 56 Met Lys Ala Ser 1 agt ctt gcc ttc agc ctt ctc tct gct gcg ttt tat ctc cta tgg act 104

Ser Leu Ala Phe Ser Leu Leu Ser Ala Ala Phe Tyr Leu Leu Trp Thr 5 10 15 20	
cct tcc act gga ctg aag aca ctc aat ttg gga agc tgt gtg atc gcc Pro Ser Thr Gly Leu Lys Thr Leu Asn Leu Gly Ser Cys Val Ile Ala 25 30 35	152
aca aac ctt cag gaa ata cga aat gga ttt tct gac ata cgg ggc agt Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg Gly Ser 40 45 50	200
gtg caa gcc aaa gat gga aac att gac atc aga atc tta agg agg act Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg Arg Thr 55 60 65	248
gag tct ttg caa gac aca aag cct gcg aat cga tgc tgc ctc ctg cgc Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu Leu Arg 70 75 80	296
cat ttg cta aga ctc tat ctg gac agg gta ttt aaa aac tac cag acc His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr 85 90 95 100	344
cct gac cat tat act ctc cgg aag atc agc agc ctc gcc aat tcc ttt Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe 105 110 115	392
ctt acc atc aag aag gac ctc cgg ctc tgt ctg gaa cct cag gca gca Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys Leu Glu Pro Gln Ala Ala 120 125 130	440
gtt gtg aag gct ttg ggg gaa cta gac att ctt ctg caa tgg atg gag Val Val Lys Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met Glu 135 140 145	488
gag aca gaa taggaggaaa gtgatgctgc tgctaagaat attcgaggtc Glu Thr Glu 150	537
aagagctcca gtcttcaata cctgcagagg aggcatgacc ccaaaccacc atctctttac tgtactagtc ttgtgctggt cacagtgtat cttatttatg cattacttgc ttccttgcat gattgtcttt atgcatcccc aatcttaatt gagaccatac ttgtataaga tttttgtaat atctttctgc tattggatat atttattagt taatatattt atttattt	597 657 717 777

gtatttaatt ttttac 793 <210> 4 <211> 151 <212> PRT <213> Homo sapiens <400> 4 Met Lys Ala Ser Ser Leu Ala Phe Ser Leu Leu Ser Ala Ala Phe Tyr 10 Leu Leu Trp Thr Pro Ser Thr Gly Leu Lys Thr Leu Asn Leu Gly Ser Cys Val Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile 50 55 Leu Arg Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys 70 75 Cys Leu Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys 90 Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu 110 105 Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys Leu Glu 120 Pro Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Asp Ile Leu Leu 135 140 Gln Trp Met Glu Glu Thr Glu 145 150 <210> 5 <211> 253 <212> DNA <213> Homo sapiens <400> 5 ctttgaattc ctagctcctg tggtctccag atttcaggcc taagatgaaa gcctctagtc 60 ttgccttcag ccttctctct gctgcgtttt atctcctatg gactccttcc actggactga 120 agacactcaa tttgggaagc tgtgtgatcg ccacaaacct tcaggaaata cgaaatggat 180 tttctgagat acggggcagt gtgcaagcca aagatggaaa cattgacatc agaatcttaa 240 ggaggactga gtc 253 <210> 6

<211> 24

<212> DNA <213> Homo sapiens	
<400> 6 attcctagct cctgtggtct ccag	24
<210> 7 <211> 25 <212> DNA <213> Homo sapiens	
<400> 7 ctctgctgcg ttttatctcc tatgg	25
<210> 8 <211> 22 <212> DNA	
<213> Homo sapiens	
<pre>&lt;400&gt; 8 tcccaaattg agtgtcttca gt</pre>	22
<210> 9 <211> 45 <212> DNA <213> Homo sapiens	
<400> 9	45
<pre>cacagcttcc caaattgagt gtcttcagtc cagtggaagg agtcc  &lt;210&gt; 10     &lt;211&gt; 747     &lt;212&gt; DNA     &lt;213&gt; Homo sapiens</pre>	45
<400> 10	
ttttctgaca tacggggcag tgtgcaagcc aaagatggaa acattgacat cagaatctta aggaggactg agtctttgca agacacaaag cctgcgaatc gatgctgcct cctgcgccat	60 120
ttgctaagac tctatctgga cagggtattt aaaaactacc agacccctga ccattatact	180
ctccggaaga tcagcagcct cgccaattcc tttcttacca tcaagaagga cctccggctc	240
tgtcatgccc acatgacatg ccattgtggg gaggaagcaa tgaagaaata cagccagatt ctgagtcact ttgaaaagct ggaacctcag gcagcagttg tgaaggcttt gggggaacta	300 360
gacattette tgcaatggat ggaggagaca gaataggagg aaagtgatge tgctgctaag	420

aatattcgag gtcaagagct accatctctt tactgtacta tgcttccttg catgattgtc agatttttgt aatatctttc ttttgctatt aatgtattta gattatattt ataacctgac	gtcttgtgct tttatgcatc tgctattgga attttttact	ggtcacagtg cccaatctta tatatttatt	tatcttattt attgagacca agttaatata	atgcattact tacttgtata tttatttatt	480 540 600 660 720 747								
<210> 11 <211> 614 <212> DNA <213> Homo sapiens													
<pre>&lt;400&gt; 11 ttttctgaca tacggggcag aggaggactg agtctttgca ttgctaagac tctatctgga ctccggaaga tcagcagcct tgtctggaac ctcaggcagc tggatggagg agacagaata gagctccagt cttcaatacc tactagtctt gtgctggtca ttgtctttat gcatccccaa ctttctgcta ttggatatat atttaatttt ttac  &lt;210&gt; 12 &lt;211&gt; 152 &lt;212&gt; PRT</pre>	agacacaaag cagggtattt cgccaattcc agttgtgaag ggaggaaagt tgcagaggag cagtgtatct tcttaattga ttattagtta	cctgcgaatc aaaaactacc tttcttacca gctttggggg gatgctgctg gcatgacccc tatttatgca gaccatactt	gatgctgcct agacccctga tcaagaagga aactagacat ctaagaatat aaaccaccat ttacttgctt gtataagatt	cctgcgccat ccattatact cctccggctc tcttctgcaa tcgaggtcaa ctctttactg ccttgcatga	60 120, 180 240 300 360 420 480 540 600 614								
<213> Homo sapi <400> 12	ens												
Leu Lys Thr Leu Asn L 1 5	eu Gly Ser	Cys Val Ile 10	Ala Thr Asn	Leu Gln 15									
Glu Ile Arg Asn Gly P 20	· · · · · · · · · · · · · · · · · · ·	Ile Arg Gly 25	Ser Val Gln 30	Ala Lys									
Asp Gly Asn Ile Asp I 35	le Arg Ile 40	Leu Arg Arg	Thr Glu Ser 45	Leu Gln									
Asp Thr Lys Pro Ala A 50	sn Arg Cys 55	Cys Leu Leu	Arg His Leu 60	Leu Arg									
Leu Tyr Leu Asp Arg V 65 7	<del>-</del>	Asn Tyr Gln 75	Thr Pro Asp	His Tyr 80									
Thr Leu Arg Lys Ile S 85	er Ser Leu	Ala Asn Ser 90	Phe Leu Thr	Ile Lys 95									

Lys Asp Leu Arg Leu Cys His Ala His Met Thr Cys His Cys Gly Glu 105 Glu Ala Met Lys Lys Tyr Ser Gln Ile Leu Ser His Phe Glu Lys Leu 115 120 125 Glu Pro Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Asp Ile Leu 135 Leu Gln Trp Met Glu Glu Thr Glu 145 150 <210> 13 <211> 127 <212> PRT <213> Homo sapiens <400> 13 Leu Lys Thr Leu Asn Leu Gly Ser Cys Val Ile Ala Thr Asn Leu Gln 10 Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg Gly Ser Val Gln Ala Lys 20 25 30 Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg Arg Thr Glu Ser Leu Gln 40 45 Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu Leu Arg His Leu Leu Arg 55 Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr Pro Asp His Tyr 65 70 Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys Leu Glu Pro Gln Ala Ala Val Val Lys Ala 110 100 105 Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met Glu Glu Thr Glu 115 120 <210> 14 <211> 15 <212> PRT <213> Homo sapiens

<400> 14

Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile  $1 \hspace{1cm} 5 \hspace{1cm} 10 \hspace{1cm} 15$ 

<210> 15

<211> 15

```
<212> PRT
      <213> Homo sapiens
      <400> 15
Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr Pro Asp His Tyr Thr
                                     10
                                                         15
      <210> 16
      <211> 15
      <212> PRT
      <213> Homo sapiens
      <400> 16
Leu Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys
                                     10
      <210> 17
      <211> 15
      <212> PRT
  < <213> Homo sapiens
      <400> 17
Val Val Lys Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met
                . 5
                                     10
      <210> 18
      <211> 824
      <212> DNA
      <213> Mus musculus
      <220>
      <221> CDS
      <222> (71)...(598)
      <400> 18
tgggagacat cgatagccct gattgatctc tttgaatttt cgcttctggt ctccaggatc
                                                                        60
taggtgtaag atg aaa ggc ttt ggt ctt gcc ttt gga ctg ttc tcc gct
                                                                       109
            Met Lys Gly Phe Gly Leu Ala Phe Gly Leu Phe Ser Ala
             1
                             5
                                                  10
gtg ggt ttt ctt ctc tgg act cct tta act ggg ctc aag acc ctc cat
                                                                       157
Val Gly Phe Leu Leu Trp Thr Pro Leu Thr Gly Leu Lys Thr Leu His
```

15

		agc Ser									-				-	205
		gag Glu			-	•	-		•	•	•				•	253
		att Ile							_		-		_		_	301
-		tgc Cys 80	_			_				-			-	-		349
		aaa Lys	_		_			_				_	-	_		397
-	-	ctc Leu	_							_		_			-	445
		țct Ser		_	-	-		_		-	_	_	_			493
		caa Gln		_	_					_	_		_	_		541
		aag Lys 160														589
	atg Met 175	cta Leu	taga	atgaa	aag 1	tggag	gaggo	ct go	ctga	gaaca	a cto	cctg	tcca			638
agaa	atcto	cag a	accto	cagca	ac ca	atgaa	agaca	a tg	gccc	cagg	tgct	tggca	att 1	tcta	ctcaag	698

818

824

agttccagtc ctcagcacca cgaagatggc ctcaaaccac cacccctttg tgatataact tagtgctagc tatgtgtata ttatttctac attattggct cccttatgtg aatgccttca tgtgtc <210> 19 <211> 176 <212> PRT <213> Mus musculus <400> 19 Met Lys Gly Phe Gly Leu Ala Phe Gly Leu Phe Ser Ala Val Gly Phe Leu Leu Trp Thr Pro Leu Thr Gly Leu Lys Thr Leu His Leu Gly Ser Cys Val Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu Phe Ser Glu Ile Arg Asp Ser Val Gln Ala Glu Asp Thr Asn Ile Asp Ile Arg Ile 55 Leugarg Thr Thr Glu Ser Leu Lys Asp Ile Lys Ser Leu Asp Arg Cys 70 75 . Cys Phe Leu Arg His Leu Val Arg Phe Tyr Leu Asp Arg Val Phe Lys 85 90 Val Tyr Gln Thr Pro Asp His His Thr Leu Arg Lys Ile Ser Ser Leu 100 105 Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys His Ser 115 120 125 His Met Ala Cys His Cys Gly Glu Glu Ala Met Glu Lys Tyr Asn Gln 135 140 Ile Leu Ser His Phe Ile Glu Leu Glu Leu Gln Ala Ala Val Lys 150 155 Ala Leu Gly Glu Leu Gly Ile Leu Leu Arg Trp Met Glu Glu Met Leu 175 165 170 <210> 20 <211> 152 <212> PRT <213> Mus musculus <400> 20 Leu Lys Thr Leu His Leu Gly Ser Cys Val Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu Phe Ser Glu Ile Arg Asp Ser Val Gln Ala Glu 20 25 30

```
Asp Thr Asn Ile Asp Ile Arg Ile Leu Arg Thr Thr Glu Ser Leu Lys
Asp Ile Lys Ser Leu Asp Arg Cys Cys Phe Leu Arg His Leu Val Arg
                        55
                                            60
Phe Tyr Leu Asp Arg Val Phe Lys Val Tyr Gln Thr Pro Asp His His
                                        75
Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Ile Ile Lys
Lys Asp Leu Ser Val Cys His Ser His Met Ala Cys His Cys Gly Glu
            100
                                105
Glu Ala Met Glu Lys Tyr Asn Gln Ile Leu Ser His Phe Ile Glu Leu
                            120
Glu Leu Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Gly Ile Leu
                        135
                                            140
Leu Arg Trp Met Glu Glu Met Leu
145
                    150
      <210> 21
     <211> 16
      <212> PRT
      <213> Mus musculus
      <400> 21
Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu Phe Ser Glu Ile Arg
1
                 5
                                    10
                                                         15
      <210> 22
      <211> 15
      <212> PRT
      <213> Mus musculus
      <400> 22
Leu Asp Arg Val Phe Lys Val Tyr Gln Thr Pro Asp His His Thr
                 5
                                    10
                                                         15
      <210> 23
      <211> 15
      <212> PRT
      <213> Mus musculus
      <400> 23
Leu Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys
                                    10
```

```
<210> 24
      <211> 15
      <212> PRT
      <213> Mus muculus
      <400> 24
Val Val Lys Ala Leu Gly Glu Leu Gly Ile Leu Leu Arg Trp Met
                                     10
      <210> 25
      <211> 144
      <212> PRT
      <213> Mus muculus
      <400> 25
Cys Val Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu Phe Ser Glu
Ile Arg Asp Ser Val Gln Ala Glu Asp Thr Asn Ile Asp Ile Arg Ile
                                25
Leu Arg Thr Thr Glu Ser Leu Lys Asp Ile Lys Ser Leu Asp Arg Cys
Cys Phe Leu Arg His Leu Val Arg Phe Tyr Leu Asp Arg Val Phe Lys
Val Tyr Gln Thr Pro Asp His His Thr Leu Arg Lys Ile Ser Ser Leu
                    70
                                         75
Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys His Ser
                                     90
His Met Ala Cys His Cys Gly Glu Glu Ala Met Glu Lys Tyr Asn Gln
Ile Leu Ser His Phe Ile Glu Leu Glu Leu Gln Ala Ala Val Val Lys
                            120
        115
                                                 125
Ala Leu Gly Glu Leu Gly Ile Leu Leu Arg Trp Met Glu Glu Met Leu
                        135
                                             140
      <210> 26
      <211> 144
      <212> PRT
      <213> Homo sapiens
      <400> 26
Cys Val Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp
```

Ile Arg Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys His Ala 85 90 His Met Thr Cys His Cys Gly Glu Glu Ala Met Lys Lys Tyr Ser Gln 100 105 Ile Leu Ser His Phe Glu Lys Leu Glu Pro Gln Ala Ala Val Val Lys 115 120 125 Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met Glu Glu Thr Glu 130 135 140

<210> 27

<211> 38

<212> PRT

<213> Homo sapiens

<400> 27

Cys Gly Glu Glu Ala Met Lys Lys Tyr Ser Gln Ile Leu Ser His Phe 1. . 5 10 15

of Arama to the

Car I - Land A

Glu Lys Leu Glu Pro Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu 20 25 30

Asp Ile Leu Leu Gln Trp 35

<210> 28

<211> 71

<212> PRT

<213> Homo sapiens

<400> 28

Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg 10 Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg 20 25 Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu 35

Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr 60 Gln Thr Pro Asp His Tyr Thr 65 <210> 29 <211> 92 <212> PRT <213> Homo sapiens <400> 29 Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg 25 Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr £ ... 6.0 · Gln Thr Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn 70 75 Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys 85 90 <210> 30 <211> 82 <212> PRT <213> Homo sapiens <400> 30 Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu

```
<211> 36
      <212> PRT
      <213> Homo sapiens
      <400> 31
Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu
                 5
                                    10
Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp
            20
                                25
Leu Arg Leu Cys
        35
      <210> 32
      <211> 61
      <212> PRT
      <213> Homo sapiens
      <400> 32
Leu Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys His
                 5
                                    10
                                             Ala His Met Thr Cys His Cys Gly Glu Glu Ala Met Lys Lys Tyr Ser
                                               · · · : 30
            20
                                25
Gln Ile Leu Ser His Phe Glu Lys Leu Glu Pro Gln Ala Ala Val Val
Lys Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met
    50
                        55
      <210> 33
      <211> 756
      <212> DNA
      <213> Mus musculus
      <220>
      <221> CDS
      <222> (71)...(532)
      <400> 33
tgggagacat cgatagccct gattgatctc tttgaatttt cgcttctggt ctccaggatc
                                                                       60
taggtgtaag atg aaa ggc ttt ggt ctt gcc ttt gga ctg ttc tcc gct
                                                                      109
            Met Lys Gly Phe Gly Leu Ala Phe Gly Leu Phe Ser Ala
             1
                             5
                                                  10
gtg ggt ttt ctt ctc tgg act cct tta act ggg ctc aag acc ctc cat
                                                                      157
```

Val	Gly 15	Phe	Leu	Leu	Trp	Thr 20	Pro	Leu	Thr	Gly	Leu 25	Lys	Thr	Leu	His		
_	gga Gly	_	_				-			_	_			•	•		205
	tct Ser				_	_	-		_	_		_	_				253
	cat His												-		_		301
Thr	cct Pro					_	-	_		-	-		Āla				349
Sttt Phe				_	_	_			-	-				_	•	÷.	397
	cat His																445
	ttc Phe																493
	cta Leu												taga	atgaa	aag		542
tgg ctc	CCCC	agg t	tgct(	ggcat ccttt	it to	ctaci gatai	caaq caact	g agt	ttcca gtgc1	agtc	ctca	agca	cca (	cgaaq	aagac gatgg ttcta	JC	602 662 722 756
		31.0	0.4														

<210> 34 <211> 154 <212> PRT <213> Mus musculus

<400> 34

Met Lys Gly Phe Gly Leu Ala Phe Gly Leu Phe Ser Ala Val Gly Phe
1 5 10 15
Leu Leu Trp Thr Pro Leu Thr Gly Leu Lys Thr Leu His Leu Gly Ser

20 25 30

Cys Val Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu Phe Ser Glu 35 40 45

Ile Arg Asp Ser Val Ser Leu Asp Arg Cys Cys Phe Leu Arg His Leu 50 55 60

Val Arg Phe Tyr Leu Asp Arg Val Phe Lys Val Tyr Gln Thr Pro Asp 65 70 75 80

His His Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Ile 85 90 95

Ile Lys Lys Asp Leu Ser Val Cys His Ser His Met Ala Cys His Cys 100 105 110

Gly Glu Glu Ala Met Glu Lys Tyr Asn Gln Ile Leu Ser His Phe Ile 115 120 125

Glu Leu Glu Leu Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Gly 130 135 140

Ile Leu Leu Arg Trp Met Glu Glu Met Leu 145 150

<210> 35

<211> 130

<212> PRT

<213> Mus musculus

<400> 35

Leu Lys Thr Leu His Leu Gly Ser Cys Val Ile Thr Ala Asn Leu Gln  $1 \hspace{1cm} 5 \hspace{1cm} 10 \hspace{1cm} 15$ 

Ala Ile Gln Lys Glu Phe Ser Glu Ile Arg Asp Ser Val Ser Leu Asp 20 25 30

Arg Cys Cys Phe Leu Arg His Leu Val Arg Phe Tyr Leu Asp Arg Val
35 40 45

Phe Lys Val Tyr Gln Thr Pro Asp His His Thr Leu Arg Lys Ile Ser 50 55 60

Ser Leu Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys 70 75 80

His Ser His Met Ala Cys His Cys Gly Glu Glu Ala Met Glu Lys Tyr

				85					90					95		
Asn	Gln	Ile	Leu 100	Ser	His	Phe	Ile	Glu 105	Leu	Glu	Leu	Gln	Ala 110	Ala	Val	
Val	Lys	Ala 115	Leu	Gly	Glu	Leu	Gly 120		Leu	Leu	Arg	Trp 125		Glu	Glu	
Met	Leu 130	110					120					120				
	130															
		210>														
		211>														
			DNA Homo	า โรลเ	nien	\$										
	-	-10	1101110	, Ju	p i ci i.	J										
		<del>1</del> 00>														
agat	tcta	itc t	tggad	cagg	gt a	ttcaa	aa									27
	. <2	210>	37													
		211>														
	·· <2	212>	DNA					v				ř				:
		213>	Homo	sa <sub>l</sub>	piens	S										
		<b>1</b> 00>	37													
gcga			tcttt	ct												17
	_															
		210>														
		211>	Z5 DNA				,									
			Mus	muso	culis	S										
+ 000		100>		·+ ·+	<b>+</b>											0.5
tggc	.yayç	JCL (	gctga	ווטוו	LL C	LCay										25
	<2	210>	39													
	<2	211>	25													
			DNA													
	<′2	213>	Mus	muso	culis	5										
	<4	<00	39													
cttt	atgt	ct t	ttcaa	agad	ct ca	agtc				٠						25
		210>	<b>4</b> 0													
		211>														
			DNA													

<213> Mus musculis	
<400> 40 catcagaatt ttaaggacga ctgagt	26
<210> 41 <211> 25 <212> DNA <213> Mus musculis	
<400> 41 ggtggtcagg ggtctggtag acttt	25
<210> 42 <211> 23 <212> DNA <213> Mus musculis	
<400> 42 ggtgcatatt cctggtggct aga	23
<210> 43 <211> 25 <212> DNA <213> Mus musculis	
<400> 43 attgcagtgt aagggaatac agaga	25